belkin BUSINESS • Your Essential Connection

BELKIN BUSINESS

ADVANCED SECURE KVM SOLUTIONS

SECURITY. USABILITY. COMPATIBILITY

Common Criteria

The Belkin Secure KVM range is Common Criteria validated to EAL 4+
(Evaluation Assurance Level 4) complies with Common Criteria Protection Profile 2.1.

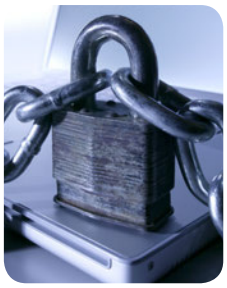
PRODUCT COMPARISON

	Belkin Advanced Secure DisplayPort KVM				Belkin Advanced Secure DVI-I KVM with DCU		Belkin Advanced Secure Windowing KVM			Belkin Advanced Secure DVI-I KVM						Belkin Advanced Secure 8/16 Port KVM			Belkin Advanced Secure KM	
Product Photo	F1DN102P	F1DN104W	F1DN104P	F1DN104Q	F1DN104G	F1DN104H	F1DN104M	F1DN104Y	F1DN204M	F1DN102B	F1DN102C	F1DN104E	F1DN104B	F1DN104C	F1DN104F	F1DN108C	F1DN116C	F1DN108F	F1DN104K	F1DN108K
Part Number	**F1DN102P**	**F1DN104P**	**F1DN104W**	**F1DN104Q**	**F1DN104G**	**F1DN104H**	**F1DN104M**	**F1DN204M**	**F1DN104Y**	**F1DN102B**	**F1DN104B**	**F1DN102C**	**F1DN104C**	**F1DN104E**	**F1DN104F**	**F1DN108C**	**F1DN108F**	**F1DN116C**	**F1DN104K**	**F1DN108K**
Product Description	Advanced Secure 2-Port DisplayPort KVM	Advanced Secure 4-Port DisplayPort KVM	Advanced Secure 4-Port DisplayPort Dual-Head KVM	Advanced Secure 4-Port Quad-Head KVM	Advanced Secure 4-Port Single-Head DVI-I KVM with DCU	Advanced Secure 4 -Port Dual-Head DVI-I KVM with DCU	Advanced Secure 4-Port Windowing KVM	Advanced Secure 4-Port Multi-Display Windowing KVM	Advanced Secure 4-Port Windowing KVM w/DP	Secure 2-Port DVI-I KVM with Audio	Secure 4-Port DVI-I KVM with Audio	Secure 2-Port DVI-I KVM with Audio Plus	Secure 4-Port DVI-I KVM with Audio Plus	Secure 4-Port DVI-I Dual-Head KVM with Audio	Secure 4-Port DVI-I Dual-Head KVM with Audio Plus	Advanced Secure 8-Port DVI-I KVM	Advanced Secure 8-Port Dual-Head DVI-I KVM	Advanced Secure 16-Port DVI-I KVM	Advanced Secure 4-Port Keyboard / Mouse (KM) Switch	Advanced Secure 8-Port Keyboard / Mouse (KM) Switch
No. of computers	2	4	4	4	4	4	4	4	4	2	4	2	4	4	4	8	8	16	4	8
No. of Displays	1	1	2	4	1	2	1	2	1	1	1	1	1	2	2	1	2	1	Up to 16	Up to 32
Console Ports																				
Resolutions Supported	All DisplayPort 1.2 resolutions up to 3840×2160. DVI-I Dual-Link up to 2560x1600 (F1DN104Q only)				Up to 2560x1600	Up to 1920x1200	Resolution up to 1920x1200			Up to 2560x1600						VGA resolutions supported up to 2048x1536 DVI-D resolutions supported up to 2560x1600			N / A	N / A
Console Mouse and Keyboard Ports	USB Type-A female connector or PS/2 Mini-DIN 6-pin female connector (1 designated port for mouse and 1 designated port for keyboard)				USB Type-A female connector or PS/2 Mini-DIN 6 pin female connector (1 designated mouse port and 1 designated keyboard port)		USB Type-A female connector or PS/2 Mini-DIN 6-pin female connector (1 designated port for mouse and 1 designated port for keyboard)			USB Type-A female connector or PS/2 Mini-DIN 6 pin female connector (1 designated mouse port and 1 designated keyboard port)						USB Type-A female connector or PS/2 Mini-DIN 6-pin female connector (1 designated port for mouse and 1 designated port for keyboard)			USB Type-A female connector or PS/2 Mini-DIN 6-pin female connector (1 designated port for mouse and 1 designated port for keyboard)	
Console Display Ports	1x DisplayPort 1.2	1x DisplayPort 1.2	2x DisplayPort 1.2	3 x DisplayPort 1.2 and 1 x DVI-I Dual Link	DVI-I Dual-link female	2 DVI-D single-link female connector	1x DVI-D single-link female connector	2x DVI-D single-link female connector	1 DisplayPort female connector	DVI-I Dual-link female	DVI-I Dual-link female	DVI-I Dual-link female	DVI-I Dual-link female	2 DVI-D single-link female connector	2 DVI-D single-link female connector	DVI-I Dual-link female	2 DVI-D single-link female connector	DVI-I Dual-link female	N / A	N / A
Console Audio Jack	3.5mm female				3.5mm female		3.5mm female			3.5mm female						3.5mm female			3.5mm female	
Computer Keyboard/ Mouse Ports	USB Type B				USB Type B		USB Type B			USB Type B						USB Type B			USB Type B	
Computer CAC Ports	USB Type B				USB Type B		USB Type B			USB Type B						USB Type B			USB Type B	
Physical																				
Dimensions	12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5 (W) x 43.2 (H) x 162.6 (L) mm	12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5 (W) x 43.2 (H) x 162.6(L) mm	12.5 (W) x 2.5 (H) x 6.4 (L) inches 317.5 (W) x 63.5 (H) x 162.6(L) mm	12.5 (W) x 3.8 (H) x 6.4 (L) inches 317.5 (W) x 96.5 (H) x 162.6(L) mm	12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5(W) x 43.18 (H) x 162.56 (L) mm	12.5 (W) x 2.5 (H) x 6.4 (L) inches 317.5(W) x 63.5 (H) x 162.56 (L) mm	3.15 (W) x 1.34 (H) x 6.22 (L) inches 80 (W) x 34 (H) x 158 (L) mm			12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5 (W) x 43.18 (H) x 162.56 (L) mm	12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5 (W) x 43.18 (H) x 162.56 (L) mm	12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5 (W) x 43.18 (H) x 162.56 (L) mm	12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5 (W) x 43.18 (H) x 162.56 (L) mm	12.5 (W) x 2.5 (H) x 6.4 (L) inches 317.5 (W) x 63.5 (H) x 162.56 (L) mm	12.5 (W) x 2.5 (H) x 6.4 (L) inches 317.5 (W) x 63.5 (H) x 162.56 (L) mm	17.25 (W) x 1.7 (H) x 7.95 (L) inches 438.15 (W) x 201.93 (H) x 43.18 (L) mm	17.25 (W) x 3.4 (H) x 7.95 (L) inches 438.15 (W) x 201.93 (H) x 86.36 (L) mm	17.25 (W) x 3.4 (H) x 7.95 (L) inches 438.15 (W) x 201.93 (H) x 86.36 (L) mm	12.5 (W) x 1.7 (H) x 6.4 (L) inches 317.5 (W) x 43.18 (H) x 162.56 (L) mm	17.25 (W) x 1.7 (H) x 7.95 (L) inches 438.15 (W) x 43.18 (H) x 201.93 (L) mm
Weight	3.9 lbs. / 1.77 kg.	3.9 lbs. / 1.77 kg.	4.85 lbs. / 2.2 kg.	5.85 lbs. / 5.65 kg.	3.9 lbs. / 1.77 kg.	4.85 lbs. / 2.2 kg.	2.2 lbs. / 1 kg.			3.65 lbs. / 1.65 kg.	3.85 lbs. / 1.74 kg.	3.7 lbs / 1.67 kg.	3.9 lbs. / 1.76 kg.	4.85 lbs. / 2.19 kg.	4.9 lbs. / 2.22 kg.	9.95 lbs. / 4.51 kg.	12.25 lbs. / 5.55 kg.	13.85 lbs. / 6.28 kg.	4 lbs. / 1.81 kg.	9 lbs. / 4.08 kg.
Power																				
Power Requirements	100-240VAC, 1A Max, 50/60Hz				100-240VAC, 1A Max, 50/60Hz		12V DC 5A (max) power adapter with center-pin-positive polarity			12V DC, 1.5A (IEC Compatible)						100-240VAC, 0.9A Max, 50/60Hz			12V DC 1.5A	100-240VAC, 0.9A Freq. 50/60Hz
AC Input	100 to 240VAC				100 to 240VAC		100 to 240VAC			100 to 240VAC						100 to 240VAC			100 to 240VAC	
Power Type	External				External		External			External						Internal			External	Internal
Environmental & Certification																				
Operating Temperature	32° to 104° F (0° to 40° C)				32° to 104° F (0° to 40° C)		32° to 104° F (0° to 40° C)			32° to 104° F (0° to 40° C)						32° to 104° F (0° to 40° C)			32° to 104° F (0° to 40° C)	
Storage Temperature	-4° to 140° F (-20° to 60° C)				-4° to 140° F (-20° to 60° C)		-4° to 140° F (-20° to 60° C)			-4° to 140° F (-20° to 60° C)						-4° to 140° F (-20° to 60° C)			-4° to 140° F (-20° to 60° C)	
Humidity	0-80% RH, non-condensing				0-80% RH, non-condensing		0-80% RH, non-condensing			0-80% RH, non-condensing						0-80% RH, non-condensing			0-80% RH, non-condensing	
Security Accreditation	Common Criteria EAL 4+ ALC_FLR.3				Common Criteria EAL 4+ ALC_FLR.3		Common Criteria EAL 4+ ALC_FLR.3			Common Criteria EAL 4+ ALC_FLR.3						Common Criteria EAL 4+ ALC_FLR.3			Common Criteria EAL 4+ ALC_FLR.3	
General Information																				
Made In	USA				USA		USA			USA						USA			USA	
Product Life-Cycle	15 Years				15 Years		15 Years			15 Years						15 Years			15 Years	
Warranty	3 Years				3 Years		3 Years			3 Years						3 Years			3 Years	
Enclosure	Heavy-duty extruded aluminum enclosure with metal faceplate				Heavy-duty extruded aluminum enclosure with metal faceplate		Heavy-duty extruded aluminum enclosure with metal faceplate			Heavy-duty extruded aluminum enclosure with metal faceplate						Heavy-duty extruded aluminum enclosure with metal faceplate			Heavy-duty extruded aluminum enclosure with metal faceplate	

Cyber-attacks are increasing at an exponential rate. For example, over a three-year period, government agencies reported a 400-percent increase in attempted incursions into federal systems. With the growth of Advanced Persistent Threats (APTs) and highly funded hackers; classified data, intellectual property, and control of critical infrastructures are constantly at risk. It is more essential now than ever to ensure network security and information isolation are not only locked down in your network infrastructure, but also extend to the workstation, where the most common security breach happens.

THE BELKIN SOLUTION

Belkin offers the widest available set of products designed to isolate secure networks while allowing an easy and flexible work environment. Advanced secure switching solutions offer true data path isolation for superior security and data protection requirements.



THE ULTIMATE SECURITY SOLUTION

All Belkin secure switching products are equipped with a host of security features including:

- **Unidirectional Data Paths**
  Optical data diodes prevent peripherals from being used to breach systems assuring unidirectional data flow between peripherals and connected computers.
- **No Shared Resources**
  There are no shared resources in the secure switches connecting two computers, each computer is physically isolated from one another.
- **Device/Host USB Emulation**
  Strong authentication of connected devices and filtering device communication protocols, providing complete protection of USB connected devices.
- **Secure EDID Protection**
  Unidirectional Protection of EDID communication ensures protection for connected displays.

TAMPER PROOF SYSTEM

All Belkin secure switching products are equipped with an end-to-end tamper proof system including:

- **Active Always-On Anti-Tamper**
  The active chassis anti-tamper system prevents Belkin Secure KVM product's electronic circuitry from being accessed and tampered with by permanently disabling the product.
- **Tamper-Evident Label**
  A holographic security tamper-evident label is placed on the KVM enclosure to provide a visual indication if the Switch has been opened or compromised.
- **Heavy-Duty Tamper-Resistant Enclosure**
  Belkin Secure KVM products use thick metal components to protect the product from physical tampering, and to reduce radiated emissions.
- **Secure Packaging**
  "Tear away" packaging ensures secure delivery of the Switch as it is routed to the end user.

WHAT IS THE DIFFERENCE BETWEEN A KVM, A WINDOWING KVM AND A KM SWITCH?

KVM's are designed to switch displays, allowing the user to only see and manage one target device at a time. When using a Windowing KVM, the user can work simultaneously across computers at different security levels, without exposing the organization to the risks of information leakage through the KVM. The Belkin Secure Windowing KVM device uses advanced video processing technology to draw a high resolution dynamic "mosaic" of images generated by different computer sources. On the other hand, a KM Switch is essentially a KVM Switch without the video switching; all displays are continuously connected to their respective computers, so that all connected devices can be managed seamlessly, in real time. To navigate from one computer to the next, simply move your mouse cursor from one monitor to the next.

KVM ACCESSORIES

BELKIN SECURE DESKTOP CONTROLLER UNIT (DCU)

The Belkin Secure DCU enables easy and intuitive KVM operation at the user's desktop. Channel names may be programmed by an administrator into the DCU display. The Belkin Secure DCU enables browsing through available networks with a clear indication of the selected channels through numbers, as well as programmable text and colors.

MODEL NUMBER	DESCRIPTION
F1DN001R	4 Button DCU for 2-4 port Belkin Secure KVM Switches
F1DN002R	4 Button DCU for 2-4 port Belkin Secure KVM Switches, with LCD Display
F1DN003R	3 Button DCU for 2-16 port Belkin Secure KVM Switches, with LCD Display

BELKIN SMART CABLES

Belkin's Smart Cables offer reliable multiplatform support for the broadest range of current, legacy, and future platforms, hardware, and peripherals. This includes PS2, VGA, DisplayPort and DVI. Compact and easy to deploy, the smart cables provide government agencies with the flexibility they need to convert legacy connections into today's surging technologies.

MODEL NUMBER	DESCRIPTION	MODEL NUMBER	DESCRIPTION
F1D9008b06	DVI to VGA SMART Cable, 6 FT	F1D9010b06	VGA/PS/2 to VGA/USB SMART Cable, 6 FT
F1D9009b06	VGA to DVI SMART Cable, 6 FT	F1D9011b06	USB to DVI SMART Cable, 6 FT

WHO ARE WE?

Belkin Business, a division of Belkin International, provides high-quality customized solutions that align seamlessly to enhance the technology that businesses, schools, government agencies and other professional organizations depend on for their growth and success. With more than 600 patents in place, Belkin is dedicated to developing innovative solutions to address the challenges of the modern workplace. A proven technology leader for more than 30 years, Belkin is trusted by organizations worldwide for its unwavering commitment to product quality. With a global supply chain and broad provider network, Belkin delivers greater value and unparalleled execution advantages to customers.

Belkin International, Inc.
12045 E. Waterfront Drive
Playa Vista, CA 90094
(310) 751-5569

www.belkinbusiness.com

© 2013 Belkin International, Inc. All rights reserved. All trade names are trademarks or registered trademarks of respective manufacturers listed. All trade names are registered trademarks of respective manufacturers listed.